

## CLAIMS

1. A process in gaseous phase to obtain CFC 113a starting from CFC 113, wherein CFC 113, optionally diluted with a gas inert under the reaction conditions, is let flow on a catalyst formed by aluminum fluoride in a fixed or fluidized bed.
2. A process according to claim 1, wherein CFC 113 is used in admixture with CFC 113a.
3. A process according to claims 1-2, wherein the fed CFC 113 amount, expressed as weight ratio between CFC 113/(catalyst x hour), is in the range 0.5-1.5.
4. A process according to claims 1-3, wherein the reaction temperature is in the range 50°C-280°C, preferably 100°C-200°C, still more preferably 100°C-160°C.